



Agenda

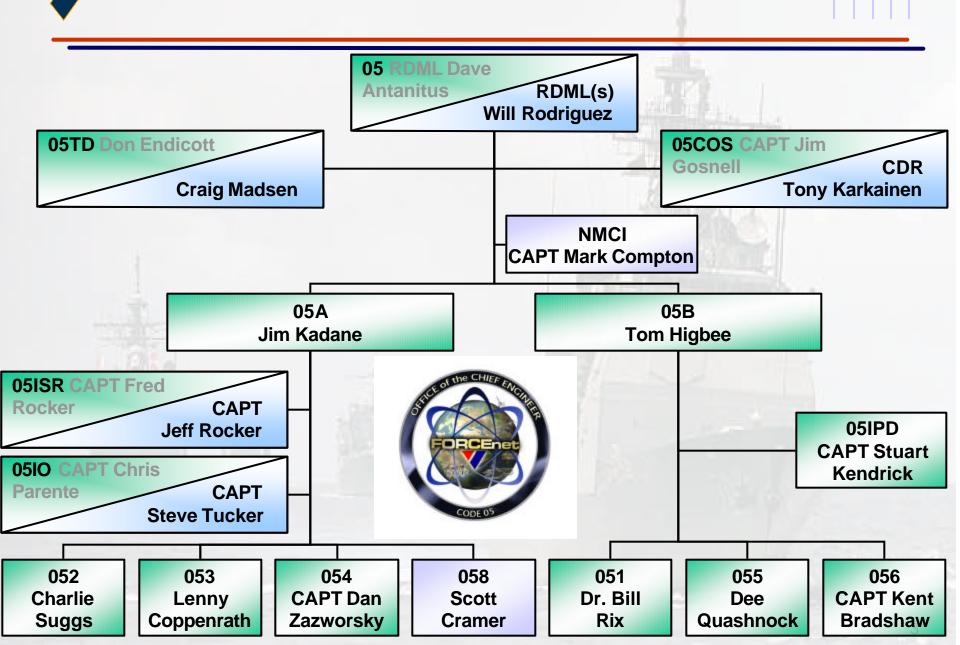


- What's New in the Office of the Chief Engineer?
- FORCEnet CHENG Activities
- Corporate Leadership Team (CLT) Process



SPAWAR 05







The SPAWAR Mission



We Deliver FORCEnet

to the Joint Warfighter Through the

DEVELOPMENT, ACQUISITION,

and

LIFE CYCLE SUPPORT

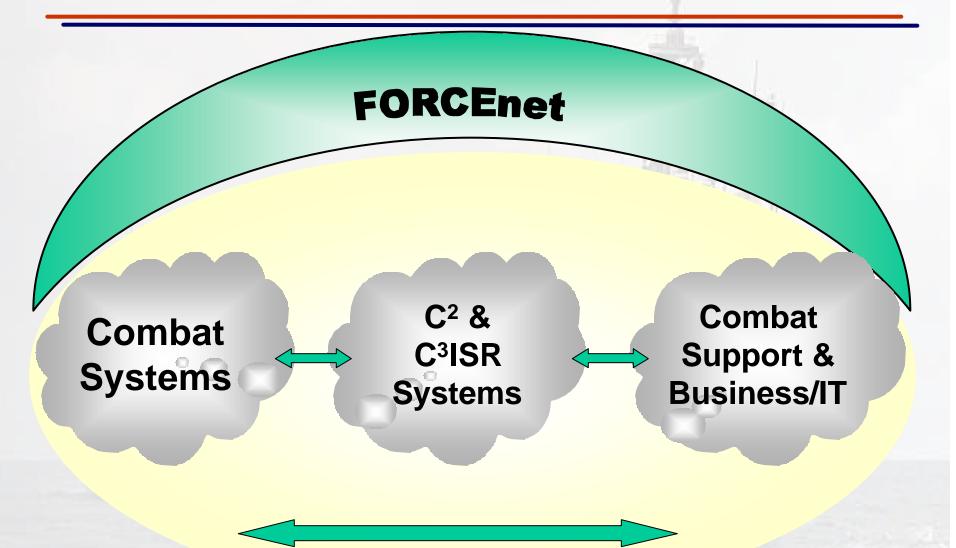
Of Effective, Capable and Integrated Command, Control Communication, Computer, Intelligence, Surveillance and Reconnaissance, Information Technology, And Space Systems





FORCEnet Domain





FORCEnet Architecture & Standards



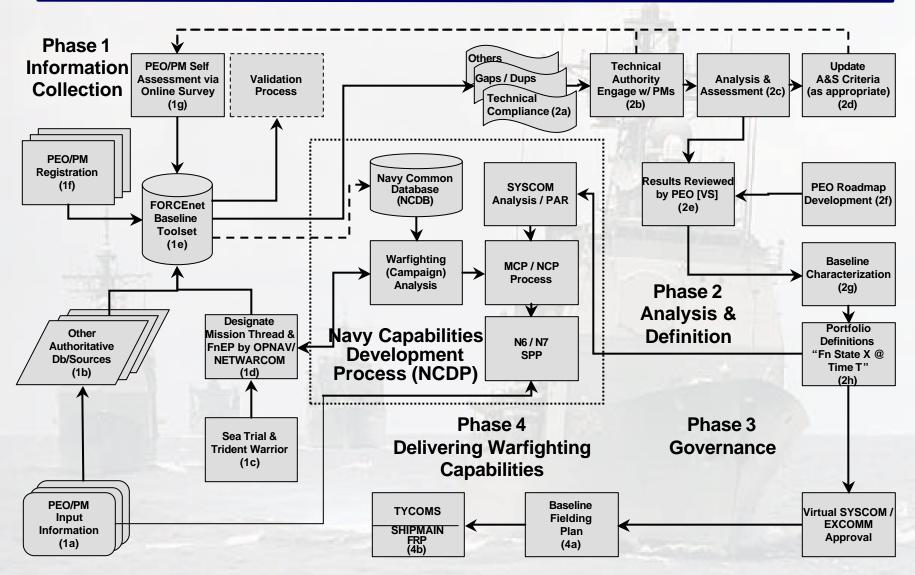
FORCEnet CHENG Activities



- Pilots/Pathfinder Forcing Functions
- Implementation Process
 - FORCEnet Implementation Baseline (FIBL)
 - Architecture & Standards
 - Assessments
 - Support of POM06, PR07 and POM08
 - Technical Directors & Technical Authority
 - Experimentation & Demonstration



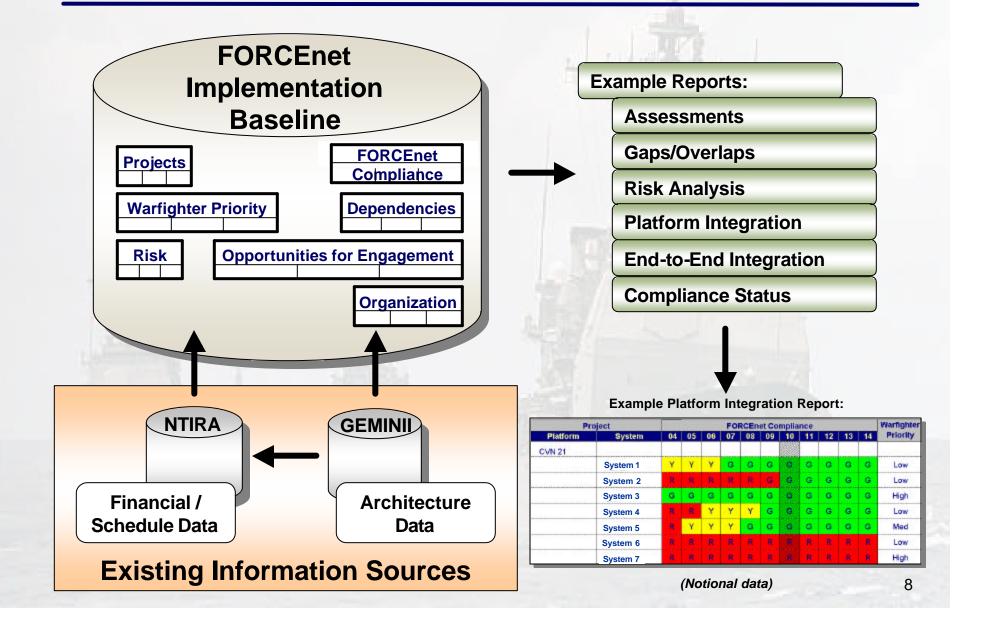
FORCEnet Implementation Process w/ NCDP_{FORCEnet} Proposed Baseline 1.2





FORCEnet Implementation Baseline (FIBL)







FORCEnet Consolidated Survey Subject Areas



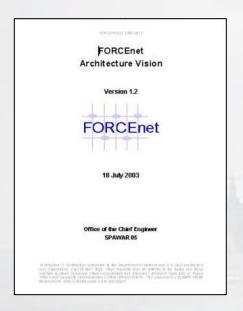
Survey Section	Purpose	Authoritative Source
Programmatic	Identify the System or Program's Position in the Acquisition Lifecycle	Department of the Navy IT Registry (OPNAV) ACAT List
Operational	Identify the Sea Power 21 Pillar(s) the System or Program Supports and Its Associated MCPs	OPNAV Sea Power 21 Pillars
Systematic	Identify the Functions the System or Program Supports	ASN RD&A CHENG Common System Function List (CSFL)
Technical	Identify the System or Program's Level of Compliance With Technical Standards That Comprise FORCEnet	OSD NII Checklist FORCEnet A&S Documents Open Architecture Computing Environment (OACE) Joint Technical Architecture OPNAV FORCEnet Consolidated Checklist



Architecture Products



- What Is the Purpose of the FORCEnet Architecture?
 - The FORCEnet Architecture Is Being Developed to Identify an Effective and Efficient Migration Strategy That Moves Naval PORs from Their Current Platform/Stovepipe Domain to a Future Joint Network Centric Domain.









Products available on FORCEnet Docs for Industry Review VPO Site: https://vpo.spawar.navy.mil/05/FORCENET/DOCSIR/master.nsf



Industry Participation in FORCEnet A&S



- Participation by Industry:
 - A&S Documents Were Reviewed by Industry:
 - NDIA, IBM, Lockheed Martin, Raytheon, Others
 - Incorporated Input Into Latest Version 1.4 and Posted on SPAWAR Industry Website
 - Industry Involved in Multiple FORCEnet
 Architecture & Standards Conferences
- Future Participation Opportunities by Industry:
 - Fn A&S Vol. II, Currently Posted at: https://vpo.spawar.navy.mil/vpopages.nsf/all/start/\$file/start.html
 - SPAWAR Will Incorporate Additional Comments/Input Received by Industry Partners
 - Investigate Hosting an Industry Version of Vol. II on the NDIA Website



FORCEnet Technical Guidance For Program Managers



CHORRES SERVING



FORCEnet

Technical Guidance For Program Managers

DRAFT

From

Office of the Chief Engineer

SPAWAR 05

Exercises in 1. Lecture to instead to describe the conservation of Exercise and 16.5. Led, controlled into proposition (Exercise to the Controlled Contro

Version 0.71

06 October 2004

Purpose

- To Provide Program Managers a Single Source That Summarizes and De-Conflicts All of the Published Technical Guidance
- Audience
 - Program Managers and Other Acquisition Professionals
- Authoritative Sources
 - GIG-ES/Net-Centric Enterprise Services (NCES)
 - FORCEnet A&S
 - ASD NII Checklist
 - Net-Centric Enterprise Solutions for Interoperability (NESI)
 - Open Architecture Computing Environment (OACE)
 - Others...
- Consistent with FORCEnet Implementation Baseline (FIBL) Analysis Tools



Key Current Assessments



- PR07 Joint Blue Force Situational Awareness (JBFSA) Assessment Report
- PR07 ISR Assessment Report
- ASUW
- DCGS-N
- Mission Planning

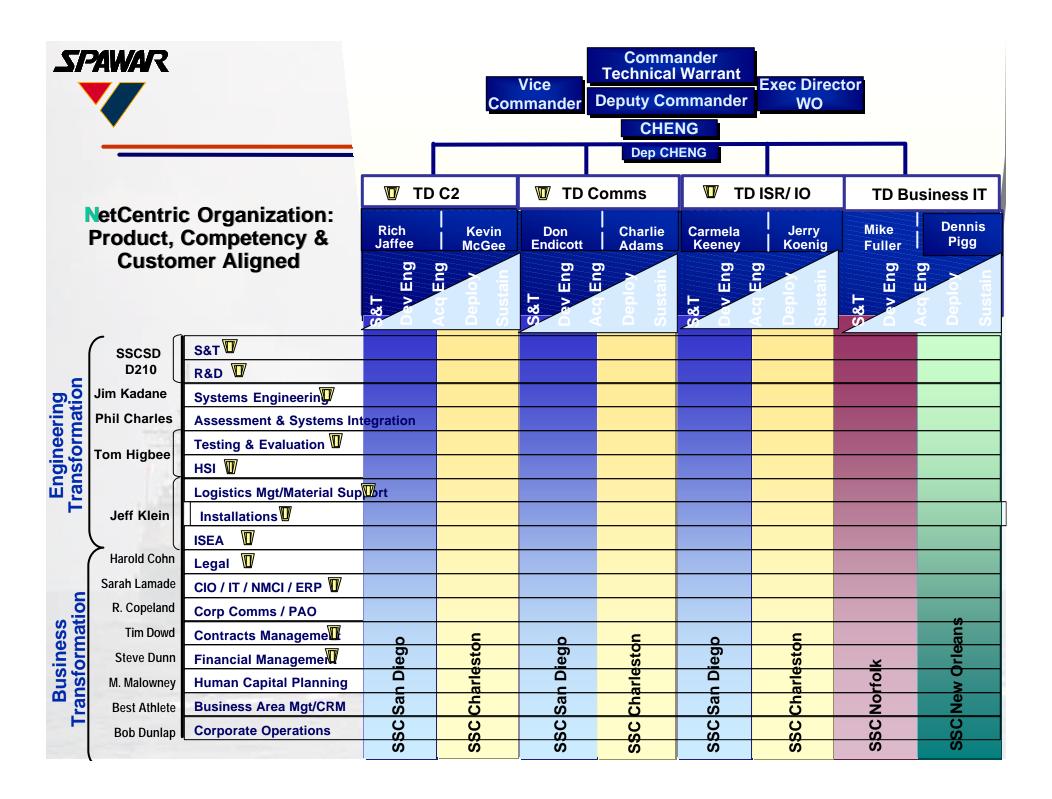


Corporate Leadership Team Challenges



- We Have...
 - A Non-Traditional, Huge Scale Challenge
 - Attacked It with a "Traditional" Approach
- We Should Be Leveraging...
 - \$6b in Investment Versus \$30m
 - Nearly 12,000 Talented People Versus 150
 - Our Detailed Knowledge of Many Programs of the 400+ in the FIBL

The "World" Is Waiting...







Technical Authority for FORCEnet FORCEnet

Technical Process Owners:

- FORCEnet Architecture & Standards: Charlie Suggs
- FORCEnet Certification: Scott Cramer
- FORCEnet Baseline: John Isaacson
- NAVAIR Technical Warrant Holder (WH)
- NAVSEA Technical WH
- •MARCORSYSCOM Proposed Technical WH

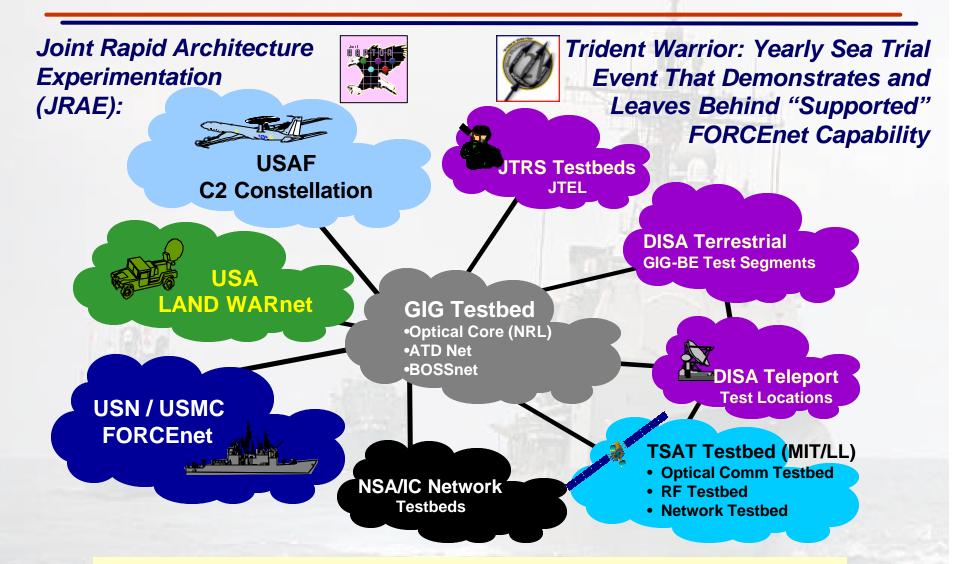
SPAWAR Technical WHs:

- Collaboration: Dr. Lorraine Duffy (SSC-SD)
- Internal Networks: Stephen Lapic (SSC-SD)
- •RF Comms: Dr. Richard North (SSC-SD)
- Data Replication: Mark Zabriskie (SSC-SD)
- LOS/ SATCOM: Scott Henson (SSC-CH)
- Network Management: David Bates (SSC-CH)
- Distributed Services/Web Based Apps: John Andrews (SSC-CH)





Experimentation & DemonstrationFORCEnet



Programs Spiral New Capability Through Experimentation



Trident Warrior 04



Key Initiatives

- Network Improvements
- ISR
- Sea Warrior
- Human Systems Integration
- Web Enabled Warrior
- Information Management
- Fires

Major Takeaways

- Developed a Solid Analytical Sea Trial Process
- Got the ESG Off the NOC Autonomous Ops
- Moved FORCEnet from the N6 to the N2/3/5

Next Steps

- Quicklook 29 Oct 04
- Final Report 7 Jan 05
- Operational Agent Assessment (OAA) (NNWC) 18-19 Jan
- Military Utility Assessment (MUA) (FFC) 8-9 Feb





Industry Opportunities



- Coalition Warrior Interoperability Demonstration
 - FRP Focus Areas Listed on FBO Webpage
 - http://www.cwid.js.mil
- Trident Warrior
 - Next Data Call in Spring
- Consortia for the Grid
 - POC: CAPT Tom Dlugolecki
- Some FORCEnet Technology Challenges
 - Dynamic Interoperable Connectivity
 - Multi-modal HCI
 - Information Assurance in a SOA



FORCEnet Overall POCs



Office of the Chief Engineer Executive Secretary	(619) 524-7209
Architecture & Standards	(619) 524-7237
FORCEnet Implementation	(619) 524-7962
Assessments	(619) 524-7416
Technical Authority	(619) 806-5449
Joint Engagement	(619) 524-2010
Human System Integration	(858) 537-0475
Experimentation	(858) 537-0147
Consortia	(619) 508-5033



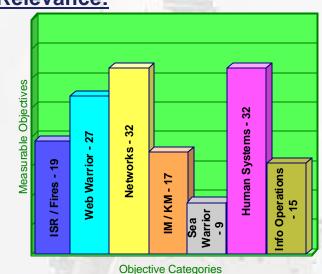
Trident Warrior 04



Background:

- TRIDENT WARRIOR 04
 - •NETWARCOM sponsored
 - Major FORCEnet SEA TRIAL Experiment
- Provide "Speed to Capability", a rapid fielding of improved warfighting capability to the fleet in areas of FORCEnet Command and Control





150+ Total Measurable Objectives Focusing on FORCEnet Warfighting Gaps.

Status:

Host: COMTHIRDFLT

Analysis: Naval PG School

Participants: C3F

ESG One

USS Tarawa

USS Pearl Harbor

USS Chosin

USS John Paul Jones

Location: SOCAL/HI Op Areas

San Clemente

POA&M:

30 Sep - 15 Oct

29 Oct

7 Jan

8 -9 Feb

TW 04 Execution

Quicklook Due

Final Report Due

Military Utility Assessment